



SEQUENCE LISTING

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<120> PREFERRED SEGMENTS OF NEURAL THREAD PROTEIN AND METHODS
OF USING THE SAME

<130> 18792-177

<140> 09/697,590
<141> 2000-10-27

<160> 12

<170> PatentIn Ver. 2.1

<210> 1
<211> 1442
<212> DNA
<213> Unknown Organism

<220>
<221> CDS
<222> (15)..(1139)

<220>
<223> Description of Unknown Organism: NTP DNA sequence

<400> 1
tttttttt tgag atg gag ttt tcg ctc ttg ccc agg ctg gag tgc 50
Met Glu Phe Ser Leu Leu Leu Pro Arg Leu Glu Cys
1 5 10

aat ggc gca atc tca gct cac cgc aac ctc cgc ctc ccg ggt tca agc 98
Asn Gly Ala Ile Ser Ala His Arg Asn Leu Arg Leu Pro Gly Ser Ser
15 20 25

gat tct cct gcc tca gcc tcc cca gta gct ggg att aca ggc atg tgc 146
Asp Ser Pro Ala Ser Ala Ser Pro Val Ala Gly Ile Thr Gly Met Cys
30 35 40

acc cac gct cgg cta att ttg tat ttt tta gta gag atg gag ttt 194
Thr His Ala Arg Leu Ile Leu Tyr Phe Phe Leu Val Glu Met Glu Phe
45 50 55 60

ctc cat gtt ggt cag gct ggt ctc gaa ctc ccg acc tca gat gat ccc 242
Leu His Val Gly Gln Ala Gly Leu Glu Leu Pro Thr Ser Asp Asp Pro
65 70 75

tcc gtc tcg gcc tcc caa agt gct aga tac agg act ggc cac cat gcc 290
Ser Val Ser Ala Ser Gln Ser Ala Arg Tyr Arg Thr Gly His His Ala
80 85 90

a^b

a^b
Cont

cca aat ctc ggc tca ctg caa cct ctg cct ccc ggg ctc aag cga ttc	1010
Pro Asn Leu Gly Ser Leu Gln Pro Leu Pro Pro Gly Leu Lys Arg Phe	
320	325
330	
tcc tgt ctc agc ctc cca agc agc tgg gat tac ggg cac ctg cca cca	1058
Ser Cys Leu Ser Leu Pro Ser Ser Trp Asp Tyr Gly His Leu Pro Pro	
335	340
345	
cac ccc gct aat ttt tgt att ttc att aga ggc ggg gtt tca cca tat	1106
His Pro Ala Asn Phe Cys Ile Phe Ile Arg Gly Gly Val Ser Pro Tyr	
350	355
360	
ttg tca ggc tgg tct caa act cct gac ctc agg tgacccaccc gcctcagcct	1159
Leu Ser Gly Trp Ser Gln Thr Pro Asp Leu Arg	
365	370
375	
tccaaagtgc tgggattaca ggcgtgagcc acctcaccca gccggctaat tttagataaaa	1219
aaatatgttag caatgggggg tcttgctatg ttgcccaggc tggtctcaaa cttctggctt	1279
catgcaatcc ttccaaatga gccacaacac ccagccagtc acatttttta aacagttaca	1339
tctttatttt agtatactag aaagtaatac aataaacatg tcaaacctgc aaattcagta	1399
gtaacagagt tctttataa ctttaaaca aagctttaga gca	1442

<210> 2
 <211> 375
 <212> PRT
 <213> Unknown Organism

<220>
 <223> Description of Unknown Organism: NTP amino acid
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<400> 2
 Met Glu Phe Ser Leu Leu Pro Arg Leu Glu Cys Asn Gly Ala Ile
 1 5 10 15

Ser Ala His Arg Asn Leu Arg Leu Pro Gly Ser Ser Asp Ser Pro Ala
 20 25 30

Ser Ala Ser Pro Val Ala Gly Ile Thr Gly Met Cys Thr His Ala Arg
 35 40 45

Leu Ile Leu Tyr Phe Phe Leu Val Glu Met Glu Phe Leu His Val Gly
 50 55 60

Gln Ala Gly Leu Glu Leu Pro Thr Ser Asp Asp Pro Ser Val Ser Ala
 65 70 75 80

Ser Gln Ser Ala Arg Tyr Arg Thr Gly His His Ala Arg Leu Cys Leu
 85 90 95

Ala Asn Phe Cys Gly Arg Asn Arg Val Ser Leu Met Cys Pro Ser Trp
 100 105 110

ab
 Cont

Ser Pro Glu Leu Lys Gln Ser Thr Cys Leu Ser Leu Pro Lys Cys Trp
 115 120 125

Asp Tyr Arg Arg Ala Ala Val Pro Gly Leu Phe Ile Leu Phe Phe Leu
 130 135 140

Arg His Arg Cys Pro Thr Leu Thr Gln Asp Glu Val Gln Trp Cys Asp
 145 150 155 160

His Ser Ser Leu Gln Pro Ser Thr Pro Glu Ile Lys His Pro Pro Ala
 165 170 175

Ser Ala Ser Gln Val Ala Gly Thr Lys Asp Met His His Tyr Thr Trp
 180 185 190

Leu Ile Phe Ile Phe Ile Phe Asn Phe Leu Arg Gln Ser Leu Asn Ser
 195 200 205

Val Thr Gln Ala Gly Val Gln Trp Arg Asn Leu Gly Ser Leu Gln Pro
 210 215 220

Leu Pro Pro Gly Phe Lys Leu Phe Ser Cys Pro Ser Leu Leu Ser Ser
 225 230 235 240

Trp Asp Tyr Arg Arg Pro Pro Arg Leu Ala Asn Phe Phe Val Phe Leu
 245 250 255

Val Glu Met Gly Phe Thr Met Phe Ala Arg Leu Ile Leu Ile Ser Gly
 260 265 270

Pro Cys Asp Leu Pro Ala Ser Ala Ser Gln Ser Ala Gly Ile Thr Gly
 275 280 285

Val Ser His His Ala Arg Leu Ile Phe Asn Phe Cys Leu Phe Glu Met
 290 295 300

Glu Ser His Ser Val Thr Gln Ala Gly Val Gln Trp Pro Asn Leu Gly
 305 310 315 320

Ser Leu Gln Pro Leu Pro Pro Gly Leu Lys Arg Phe Ser Cys Leu Ser
 325 330 335

Leu Pro Ser Ser Trp Asp Tyr Gly His Leu Pro Pro His Pro Ala Asn
 340 345 350

Phe Cys Ile Phe Ile Arg Gly Gly Val Ser Pro Tyr Leu Ser Gly Trp
 355 360 365

Ser Gln Thr Pro Asp Leu Arg
 370 375

a
 CNT

<210> 3
 <211> 6
 <212> PRT
 <213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 3
His Ala Arg Leu Met Leu
1 5

<210> 4
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic NTP-1 peptide

<400> 4
Leu His Ala Arg Leu Cys Leu Ala Asn Phe Cys Gly Arg Asn Arg Val
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<210> 5
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic NTP-2 peptide

<400> 5
Leu Ala Arg Leu Cys Leu Ala Asn Phe Cys Gly Asn Asn Asn Val
1 5 10 15

<210> 6
<211> 13
<212> PRT
<213> Artificial Sequence

a b
cont

<220>
<223> Description of Artificial Sequence: Synthetic NTP-3 peptide

<400> 6
Cys Ala Arg Tyr Arg Thr Gly His His Ala Arg Leu Met
1 5 10

<210> 7
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic NTP-4

peptide

<400> 7
His His Ala Arg Leu Pro Leu Ala Asn Phe Cys Gly
1 5 10

<210> 8
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic NTP-5
peptide

<400> 8
Arg Thr Gly His His Ala Arg Leu Cys Leu Ala Asn Phe Cys
1 5 10

<210> 9
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic NTP-6
peptide

<400> 9
Cys Glu Ser Ala Arg Tyr Arg Thr Gly His His Ala Arg Leu Cys
1 5 10 15

<210> 10
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic NTP-7
peptide

ab
cont

<400> 10
Asp Asn Thr His His Ala Arg Leu Ile Leu
1 5 10

<210> 11
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic NTP-8
peptide

<400> 11
Ser His His Ala Arg Leu Ile Leu
1 5

<210> 12
<211> 4
<212> PRT
<213> Artificial Sequence

Ab
<220>
<223> Description of Artificial Sequence: Synthetic
peptide

cont
<400> 12
Ala Arg Cys Leu
1